

# **Experimental Extended Tropical Weather Outlook Product Description Document July 2013**

## **Part I - Mission Connection**

- a. Product Description – On an experimental basis the Tropical Weather Outlook (TWO) produced by the National Hurricane Center (NHC) for the Atlantic and east Pacific basins will be enhanced to include probabilistic information, in 10-percent increments, about a system's potential for developing into a tropical cyclone in the next 120 hours. Currently the TWO only provides genesis potential out to 48 hours. The enhanced forecast and discussion will be embedded within the current TWO text product on a disturbance-by-disturbance basis. Each product will include a prominent statement that the 120-hr genesis forecasts are experimental.
- b. Purpose - General assessment of activity in the tropics, pertaining to tropical cyclone formation by providing possible areas where tropical cyclones could develop.
- c. Audience – The product target audience includes other National Weather Service offices, media, emergency managers, and the general public.
- d. Presentation Format – Text which consists of either a sentence or one or more short paragraphs in non-technical language.
- e. Feedback Method – Feedback can be provided using the following web page:

<http://www.nws.noaa.gov/survey/web-survey.php?code=ETWO>

Policy questions and comments on the enhancement to the TWO may be addressed to:

National Weather Service  
Attn: John F. Kuhn, W/OS21  
1325 East-West Highway, Room 13124  
Silver Spring, MD 20910-3283

## **Part II - Technical Description**

- a. Format & Science Basis- The TWO is produced by NHC, and provides a current assessment, in plain language, of areas of disturbed weather and their potential for tropical cyclone formation over the next 48 and 120 hours. These outlooks are based on current trends, large-scale atmospheric and oceanic conditions, and global model predictions.

- b. Product Availability – The product will be issued four times daily during the hurricane season at 0000, 0600, 1200, and 1800 Coordinated Universal Time.

The TWO can be viewed on the NHC's website at: <http://www.nhc.noaa.gov>.

- c. Additional Information

A full description of other NWS Tropical Cyclone Weather Services Program Products is provided in NWSI 10-601, which is available on the Internet at:

<http://www.nws.noaa.gov/directives/010/010.htm>